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ANCEL FX4000

ANCEL FX4000 Professional Full System OBD2 Scanner User Manual

Model: FX4000 | Brand: ANCEL

1. INTRODUCTION

The ANCEL FX4000 is a professional full system OBD2 scanner designed for comprehensive vehicle diagnostics. It supports a wide range of functions including ABS, SRS, Transmission, ABS Bleeding, Oil Reset, and EPB Reset. This tool helps users quickly identify and resolve vehicle issues, making it suitable for both DIY enthusiasts and professional mechanics.



All System Diagnosis



ABS Bleeding



EPB Reset



Oil Reset



10 OBD2 Functions



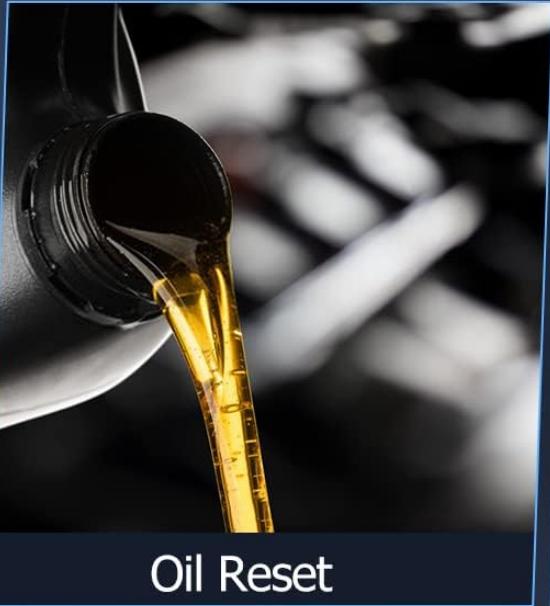
Free Updates

Image: The ANCEL FX4000 diagnostic tool shown with its protective carrying case.

2. KEY FEATURES

- OE-Level All-System Diagnostic Tool:** Supports diagnostics for engine, ABS, transmission, EPB, TPMS, SAS, A/C, chassis, and other systems. Provides ECU version information, live data stream, and allows reading and clearing trouble codes.
- 3 Reset Services:** Includes Electronic Parking Brake (EPB) reset, Oil reset, and ABS bleeding functions to assist with common maintenance tasks.
- OBD-Level Diagnostics:** Facilitates engine problem diagnosis, including DTC search, on-board monitor test, live data stream display, freeze frame data display, and diagnostic report generation.
- Wide Vehicle Coverage + Lifetime Free Update:** Compatible with most American, European, and Asian models complying with standard OBD2 protocol after 1996. Offers free lifetime updates for expanded vehicle compatibility.
- Friendly Design + Multi-language:** Features a large HD TFT screen, easy-to-read user interface, thousands of DTC prompts, and a non-slip handheld design. Supports 13 different languages.

3 COMMON SPECIAL FUNCTIONS



Oil Reset



ABS Bleeding



EPB Reset



Image: Visual representation of the three common special functions: Oil Reset, ABS Bleeding, and EPB Reset.

3. SETUP AND INITIAL USE

3.1 Connecting the Device

1. Locate the vehicle's OBD-II port. This is typically found under the dashboard on the driver's side.

2. Ensure the vehicle's ignition is in the "ON" position (engine can be off or running, depending on the diagnostic task).
3. Connect the ANCEL FX4000's diagnostic cable to the vehicle's OBD-II port. The device will power on automatically.

3.2 Initial Navigation

Upon powering on, the device will display the main menu. Use the directional buttons (up, down, left, right) to navigate through the options and the "OK" button to confirm selections. The "Esc" button is used to go back to the previous screen.

Your browser does not support the video tag.

Video: This video demonstrates the physical connection of the ANCEL FX4000 to a vehicle's OBD-II port and basic menu navigation, highlighting the function, scroll, Esc, and OK buttons.

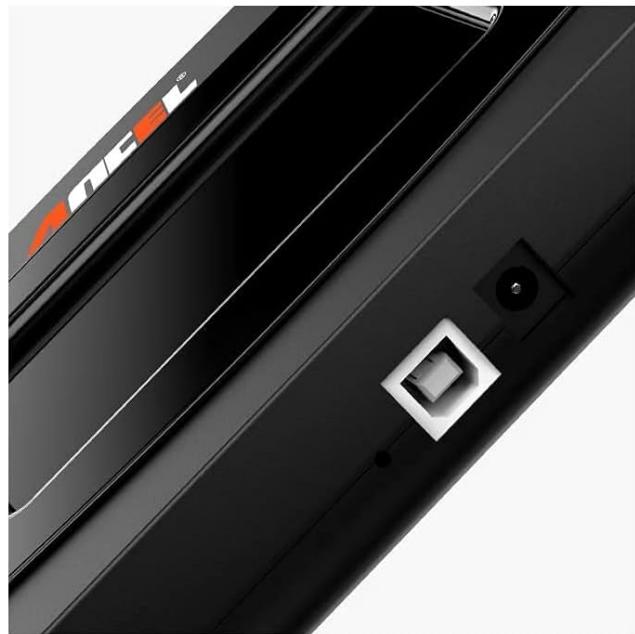


Image: Detailed views of the ANCEL FX4000's diagnostic port, USB port, and screen interface.

4. OPERATING THE ANCEL FX4000

4.1 All-System Diagnostics

The FX4000 can scan all available electronic control units (ECUs) in your vehicle. From the main menu, select "Diagnose" and then choose the specific system you wish to scan (e.g., Engine, Transmission, ABS, SRS, etc.). The tool will read the ECU version information, display live data streams, and allow you to read and clear diagnostic trouble codes (DTCs).

4.2 Special Reset Services

Navigate to the "Special Function" menu to access the following reset services:

- **EPB Reset:** Used to reset the electronic parking brake system after brake pad replacement.
- **Oil Reset:** Resets the oil service light after an oil change.
- **ABS Bleeding:** Performs ABS bleeding procedures to restore brake system performance.

4.3 OBD-Level Diagnostics

For engine-related issues, select the "OBDII V3.0" option. This mode provides standard OBD-II functions:

- **Read Codes:** Displays current, pending, and permanent diagnostic trouble codes.
- **Erase Codes:** Clears diagnostic trouble codes from the vehicle's computer.
- **Live Data Stream:** Shows real-time data from various sensors in text or graph format.
- **Freeze Frame Data:** Captures a snapshot of vehicle conditions at the moment a fault code was set.
- **I/M Readiness:** Checks the status of emission-related monitors.
- **O2 Sensor Test:** Retrieves O2 sensor monitor test results.
- **On-Board Monitor Test:** Retrieves results for emission-related powertrain components and systems.
- **Vehicle Information:** Displays the vehicle identification number (VIN), calibration ID, and calibration verification number (CVN).

LIVE DATA STREAM GRAPH AUTOVIN SCAN



Image: The ANCEL FX4000 showing a live data stream graph and an automatic VIN scan feature.

5. MAINTENANCE

5.1 Software Updates

The ANCEL FX4000 offers lifetime free software updates. It is highly recommended to regularly update the device to ensure compatibility with the latest vehicle models and to receive new features or bug fixes. Updates are performed

via a PC connection.

1. Visit the official ANCEL website to download the update tool and the latest software packages.
2. Connect the FX4000 to your PC using the provided USB cable.
3. Follow the instructions provided by the update tool to download and install the new software onto your device.



Image: The ANCEL FX4000 connected to a laptop, illustrating the process of performing a lifetime free software update.

5.2 Cleaning and Storage

- Clean the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Store the device in its protective carrying case in a dry, cool environment when not in use.
- Avoid exposing the device to extreme temperatures or direct sunlight.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Incorrect connection to OBD-II port; vehicle ignition not on; faulty cable.	Ensure the cable is securely connected. Turn the vehicle ignition to "ON". Check the cable for damage. Try on another vehicle if possible.
Communication error with vehicle.	Incorrect protocol selected; vehicle not OBD-II compliant; loose connection.	Verify the vehicle is OBD-II compliant (most vehicles after 1996). Reconnect the cable. Ensure the correct vehicle make/model is selected if prompted.
Screen freezes or becomes unresponsive.	Software glitch; low power.	Disconnect and reconnect the device. Perform a software update if available.
Cannot perform a specific reset function.	Vehicle not supported for that function; specific vehicle conditions not met.	Refer to the vehicle's service manual for specific requirements for the reset function. Confirm vehicle compatibility for the specific function.

If you encounter persistent issues not covered here, please contact ANCEL customer support for assistance.

7. SPECIFICATIONS

Attribute	Detail
Manufacturer	ANCEL
Brand	ANCEL
Model Number	FX4000
Item Weight	2.89 pounds
Product Dimensions	9.45 x 6.69 x 1.97 inches
Voltage	12 Volts
Display Resolution	480 x 272 dpi
Special Features	All System Diagnostics & Wide Vehicle Coverage, Complete Services for Your High-Efficient Repairs, Freeze Frame, Read And Clear Enhanced Codes (Engine, ABS, Transmission, EPB, TPMS), Read Live Data Stream and Vehicle Information (VIN, ECU), Work on both gasoline and diesel vehicles.

8. WARRANTY AND SUPPORT

The ANCEL FX4000 comes with a manufacturer's warranty. For detailed warranty information, including terms and conditions, please refer to the official ANCEL website or the documentation included with your product. ANCEL provides lifetime free software updates and technical support.

For technical assistance, product inquiries, or warranty claims, please contact ANCEL customer support directly.

You may also find additional resources and FAQs on their official website.

Official User Manual (PDF): [Download Here](#)

Official User Guide (PDF): [Download Here](#)

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